



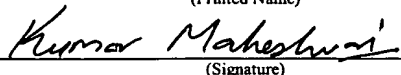
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Atty. Dkt. No. 040447-0238

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant: Takayuki ASAI
Title: OBJECT FILTERING METHOD
AND CLIENT DEVICE USING
THE SAME
Appl. No.: 09/975,505
Filing Date: 10/12/2001
Examiner: England, David E.
Art Unit: 2143
Confirmation 9792
Number:

CERTIFICATE OF EXPRESS MAILING I hereby certify that this correspondence is being deposited with the United States Postal Service's "Express Mail Post Office To Addressee" service under 37 C.F.R. § 1.10 on the date indicated below and is addressed to: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.	
EV 928484277 US (Express Mail Label Number)	02/06/2007 (Date of Deposit)
Kumar Maheswhari (Printed Name)	
 (Signature)	

AMENDMENT TRANSMITTAL

Mail Stop Appeal Brief - Patents
Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Sir:

Transmitted herewith is an amendment in the above-identified application.

[X] Replacement Section for Appeal Brief Under 37 CFR 41.37 (6 pages)

[] Assertion of Small Entity status is enclosed.

[X] The fee required for the Replacement Section for the Appeal Brief is calculated below:

[] Applicant hereby petitions for an extension of time under 37 C.F.R. §1.136(a) for the total number of months checked below:

<input type="checkbox"/>	Extension for response filed within the first month:	\$120.00	\$0.00
<input type="checkbox"/>	Extension for response filed within the second month:	\$450.00	\$0.00
<input type="checkbox"/>	Extension for response filed within the third month:	\$1,020.00	\$0.00
<input type="checkbox"/>	Extension for response filed within the fourth month:	\$1,590.00	\$0.00
<input type="checkbox"/>	Extension for response filed within the fifth month:	\$2,160.00	\$0.00
EXTENSION FEE TOTAL:			\$0.00
<input type="checkbox"/>	Statutory Disclaimer Fee under 37 C.F.R. 1.20(d):	\$130.00	\$0.00
CLAIMS, EXTENSION AND DISCLAIMER FEE TOTAL:			\$0.00
<input type="checkbox"/>	Small Entity Fees Apply (subtract ½ of above):		\$0.00
Extension Fees Previously Paid:			\$0.00
TOTAL FEE:			\$0.00

☒ The Commissioner is hereby authorized to charge any additional fees which may be required regarding this application under 37 C.F.R. §§ 1.16-1.17, or credit any overpayment, to Deposit Account No. 50-0872. If any extensions of time are needed for timely acceptance of papers submitted herewith, applicant hereby petitions for such extension under 37 C.F.R. §1.136 and authorizes payment of any such extensions fees to Deposit Account No. 50-0872.

Please direct all correspondence to the undersigned attorney or agent at the address indicated below.

Respectfully submitted,

Date February 6, 2007

By Justin M. Sobaje

FOLEY & LARDNER LLP
Customer Number: 22428
Telephone: (310) 975-7965
Facsimile: (310) 557-8475

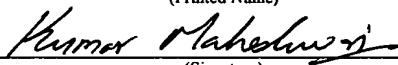
Justin M. Sobaje
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EV 928484277 US (Express Mail Label Number)	02/06/2007 (Date of Deposit)
Kumar Maheshwari (Printed Name)	
 (Signature)	

REPLACEMENT SECTION FOR APPEAL BRIEF UNDER 37 CFR 41.37

Mail Stop Appeal Brief - Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Sir:

This communication is responsive to the Notification of Non-Compliant Appeal Brief dated January 22, 2007, concerning the above-referenced patent application.

Please amend the Appeal Brief filed on December 11, 2006, as follows:

Amendment to the Appeal Brief:

Please replace Section V. of the Appeal Brief with the following new Section V.:

V. SUMMARY OF CLAIMED SUBJECT MATTER:

A. Overview:

Fundamental to all of applicant's independent claims is a concept illustrated in applicant's figures. As illustrated in FIG. 1, a terminal may request an object, such as a file or the like, from a server, where the terminal accesses the server through a gateway. Prior to requesting the object, the terminal may establish a session with the gateway. The gateway performs the function of a proxy server, and the gateway is able to filter an object received from the server before the object is forwarded to the terminal, where the gateway carries out such filtering in accordance with conditions specified by the terminal.

As explained in applicant's specification (pages 1-2), related art systems allow for a client or terminal to transmit Capability and Preference Information (CPI) to a gateway when a session is established between the client and the gateway. In such related art systems, the CPI may include various characteristics of the client, such as display size, **color support ability**, **image support ability**, operating system version, browser version, and the like. The gateway may then filter objects requested by the client during the session in accordance with the CPI transmitted from the client.

However, as explained in applicant's specification (pages 2-3), the CPI of the related art systems does not include information about a **residual amount of memory capacity** in the client. Thus, in the related art systems, an object is transmitted from the gateway to the client irrespective of a **residual amount** of memory capacity in the client. In such related art systems, if the residual amount of memory capacity in the client is less than a size of an object transmitted from the gateway to the client, then either (i) the object must be **discarded** without being stored; or (ii) **other objects must be deleted** in the client so as to make room for the newly received object. If the object is discarded without being stored, then communication resources in transmitting the object have been wasted. If other objects are deleted to make

room for the newly received object, there is a disadvantage in that important objects may be carelessly deleted.

An object filtering method in accordance with embodiments of the present invention addresses such a problem. As illustrated in applicant's FIG. 3, a method in accordance with an embodiment of the present invention allows for periodically monitoring a residual amount of memory capacity in a client during a session to provide a plurality of monitoring results. The residual amount of memory capacity in the client is an amount of unused memory capacity in the client that is free to accept data received by the client. Also, as illustrated in FIG. 3, a filtering condition may be notified from the client to a proxy server in accordance with at least one of the plurality of monitoring results. The proxy server may then filter an object requested by the client in accordance with the filtering condition thus notified, as is illustrated in applicant's FIG. 4.

By filtering objects in accordance with a residual amount of memory capacity in a client, communication resources between a proxy server and the client may be preserved, and careless data deletion by the client may be avoided.

B. Independent Claim 1:

Independent claim 1 captures the essence of embodiments as described above in the overview section, and can be summarized with reference to FIGs. 1, 3, and 4. As illustrated in FIG. 1, a client or terminal is able to request an object from a server, where the client accesses the server through a proxy server or gateway during a session. (Applicant's Specification; page 6, line 2 – page 7, line 5; FIG. 1, references 1-4).

As illustrated in FIG. 3, a residual amount of memory capacity in the client is periodically monitored during the session to provide a plurality of monitoring results. (Applicant's Specification; page 8, line 6 – page 10, line 18; FIG. 3, references S1 and S2). The residual amount of memory capacity in the client is an amount of unused memory capacity in the client that is free to accept data received by the client. (Applicant's Specification; page 3, lines 13-22; page 4, lines 17-23; page 8, line 13 – page 9, line 1).

Also, as illustrated in FIG. 3, a filtering condition is able to be notified from the client to the proxy server in accordance with at least one of the plurality of monitoring results.

(Applicant's Specification; page 9, lines 2-8; FIG. 3, reference S5). As is illustrated in FIG. 4, the proxy server is able to filter an object in accordance with the filtering condition thus notified. (Applicant's Specification; page 9, line 9 – page 10, line 7; FIG. 4, references S12, S13, and S14).

As a result of such a method, for example, it may be possible to restrict a transmission of an object from a proxy server to a client when a residual amount of memory capacity in the client is less than a size of the object. Thus, communication resources between a proxy server and a client may be preserved, and careless data deletion by a client may be avoided.

C. Independent Claim 12:

i. Summary:

Independent claim 12 captures the essence of embodiments as described above in the overview section, and can be summarized with reference to FIGs. 1-3. As illustrated in FIG. 1, a client device or terminal allows for accessing a server through a proxy server or gateway during a session to request a desired object from the server. (Applicant's Specification; page 6, line 2 – page 7, line 5; FIG. 1, references 1-4). As illustrated in FIG. 2, the client device includes a control means or control portion for controlling an access to the proxy server to acquire the object, and the client device also includes a memory means or memory portion for storing the object. (Applicant's Specification; page 7, line 6 – page 8, line 5; FIG. 2, references 2, 26, and 27).

As illustrated in FIG. 3, the control means may be configured to periodically monitor a residual amount of memory capacity of the memory means during the session. (Applicant's Specification; page 8, line 6 – page 10, line 18; FIG. 3, references S1 and S2). The residual amount of memory capacity is an amount of unused memory capacity of the memory means that is free to accept data received by the client device. (Applicant's Specification; page 8, line 11 – page 9, line 1). Also, as illustrated in FIG. 3, when the control means detects that the residual amount of memory capacity of the memory means is equal to a predetermined residual amount or less, the control means notifies to the proxy server a filtering condition of the object transmitted to the client device. (Applicant's Specification; page 8, line 19 – page 9, line 8; FIG. 3, references S3, S4, and S5).

ii. Support for Means Recitations:

Claim 12 Means Recitations:	Corresponding Structure in Application:
control means for controlling an access to said proxy server to acquire the object	Control Portion; (Specification; page 7, lines 23-24; page 8, line 19 – page 9, line 8; page 11, lines 11-15; FIG. 2, reference 26).
memory means for storing the object	Memory Portion; (Specification; page 7, line 24 – page 8, line 1; page 8, line 19 – page 9, line 1; page 10, line 21 – page 12, line 15; FIG. 2, reference 27).

D. Independent Claim 19:

Independent claim 19 captures the essence of embodiments as described above in the overview section, and can be summarized with reference to FIGs. 1-3. As illustrated in FIG. 1, a client device or terminal allows for accessing a server through a proxy server or gateway during a session to request a desired object from the server. (Applicant's Specification; page 6, line 2 – page 7, line 5; FIG. 1, references 1-4). As illustrated in FIG. 2, the client device includes a controller or control portion for controlling an access to the proxy server to acquire the object, and the client device also includes a memory unit or memory portion for storing the object. (Applicant's Specification; page 7, line 6 – page 8, line 5; FIG. 2, references 2, 26, and 27).

As illustrated in FIG. 3, the controller may be configured to periodically monitor a **residual amount** of memory capacity of the memory unit during the session. (Applicant's Specification; page 8, line 6 – page 10, line 18; FIG. 3, references S1 and S2). The residual amount of memory capacity is an amount of unused memory capacity of the memory unit that is free to accept data received by the client device. (Applicant's Specification; page 8, line 11 – page 9, line 1). Also, as illustrated in FIG. 3, when the controller detects that the **residual amount** of memory capacity of the memory unit is equal to a predetermined residual amount or less, the controller notifies to the proxy server a filtering condition for filtering the object.

(Applicant's Specification; page 8, line 19 – page 9, line 8; FIG. 3, references S3, S4, and S5).

Respectfully submitted,

Date February 6, 2007

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